

*ABSTRACT of the Disclosure*

An improved CVD apparatus for depositing a uniform film is shown. The apparatus comprises a reaction chamber, a substrate holder and a plurality of light sources for photo CVD or a pair of electrodes for plasma CVD. The substrate holder is a cylindrical cart which is encircled by the light sources, and which is rotated around its axis by a driving device. With this configuration, the substrates mounted on the cart and the surroundings can be energized by light or plasma evenly throughout the surfaces to be coated.